

# List of Doctoral Theses –Asian Human Resources Fund–

Year of Completion	Graduate School	Nationality	Title of Thesis
September 2011	Urban Environmental	Vietnam	Characterization of the aquifer system and groundwater level trends in the Red River Delta of Vietnam
September 2011	System Design	Singapore	Characterization of Impact Damage Tolerance and Performance of Stitched CFRP Laminate
March 2012	Science and Engineering	Indonesia	Rheological and Electrical Characteristics of Carbon Nanotube Dispersion Systems
September 2012	Humanities	South Korea	Investment Strategies under Competition and Flexibility : A real options approach
September 2012	Humanities	China(Hong Kong)	Financial modeling with Markov additive processes
September 2012	Science and Engineering	Indonesia	Development of Vision-Based Fuzzy Control System for Dieless Tube-Drawing and Bellows Forming Processes by Local Heating Technique
September 2012	Urban Environmental	Thailand	Study of air quality in urban, suburban, and rural areas in Thailand
September 2012	Science and Engineering	Taiwan	Studies on the side-chain dynamics of aromatic amino acids in protein-ligand interfaces by SAIL-NMR methods
September 2012	Urban Environmental	South Korea	Study on Manganese Treatment for Small-scale Water Purification Plants
Septembr 2012	Urban Environmental	Vietnam	Influence of topography, tides and freshwater discharge on saline intrusion in a deltaic estuarine system
March 2013	System Design	Indonesia	Mechanical Characteristics and Damage Mechanisms of Stitched Carbon/Epoxy Composites under Static and Fatigue Loads
September 2013	Humanities	China(Hong Kong)	Fractional Brownian Motions in Financial Models, Simulation and Pricing
September 2013	Science and Engineering	Indonesia	Influence of crystallographic orientation on creep and high temperature oxidation of aluminized Ni-based single crystal superalloys
September 2013	Urban Environmental	Taiwan	A study on the effective utilization possibility of existing community facilities based on spatial composition
September 2013	System Design	Taiwan	Study on Situation-oriented Classification of Sightseeing Images Based on Visual and Metadata Features
September 2013	Human Health Science	China	The researches of medical and environmental radiation protection dose
September 2013	Science and Engineering	India	In-cell NMR studies of human calbindin D9k in living human cells
September 2013	Urban Environmental	Philippines	Basic study on flood management assessment in Metro Manila, Philippines

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September 2013	Urban Environmental	Vietnam	Visualization and numerical analyses for mass transport due to internal waves propagating in the density-stratified water with a diffusive transition layer
September 2013	Urban Environmental	South Korea	Study on Replacement Plan with Statistical Analysis for Water Distribution Pipelines
September 2013	Urban Environmental	Vietnam	Climatological characteristics of tropical cyclone rainfall in Vietnam
September 2013	System Design	China	Investigation on metal foils surface deformation using vibration-assisted micro-forging
September 2013	Urban Environmental	China	Development and application of highly accurate and reproducible inkjet sample introduction method for capillary electrophoresis
September 2013	Urban Environmental	China	Development of Drop-on-Demand Sample Injection System by Inkjet technology and Its Applications to Analytical Chemistry
September 2013	Urban Environmental	China	The Effect of Socioeconomic Status on Healthy Life Expectancy of the Elderly in Japan
March 2014	System Design	Indonesia	Continuous Damage Monitoring of CFRP using Fiber Bragg Grating: In Stitched Laminate Material and Thin Composite Structure with Stiffness Mismatch
September 2014	Humanities	China(Hong Kong)	Chinese Ethnic Schooling in Japan:Identity Formation among Students
September 2014	Urban Environmental	Thailand	Sustainability of Rural Tourism in Thailand: A Comparative Analysis of Remote Area and Urban Fringe Area
September 2014	System Design	Thailand	A Study on Copyright and Privacy Protection for Image Trading Systems
September 2014	Human Health Science	Thailand	:Distribution of Naturally Occurring Radionuclides and Rare Earth Elements in Environmental Samples at Selected Areas Proposed for Nuclear Power Plant Sites in Thailand: To Establish a Baseline Study
September 2014	System Design	Indonesia	Experimental study on influences of surface corrugation on the instability of laminar boundary layer
September 2014	Urban Environmental	Vietnam	Basic study on hydrogeochemical assessment of groundwater quality in the Red River Delta of Vietnam
September 2014	Urban Environmental	Indonesia	Study on Water Distribution Network Rehabilitation and Expansion Planning in Developing Countries
September 2014	Urban Environmental	India	Spatio-Temporal Variation of Estuarine Mixing, Suspended Sediment and Phytoplankton in a Highly Turbid Estuary
September 2014	Urban Environmental	Philippines	Changes in rainfall extremes in the Philippines and neighboring Southeast Asian countries
September 2014	Urban Environmental	China	Development of Micro-Immunoassay Platform by Multi capillary Glass Plate and Polydimethylsiloxane Microarray

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September 2014	Urban Environmental	China	Association between Socioeconomic Status, Mental Health and Need for Long-term Care: A Comparative Study between the Japanese and Chinese Elderly
September 2014	System Design	Vietnam	Development of antiviral, antibacterial materials of silver nanoparticles/chitin/chitosan composites and their application for infection screening system
September 2014	Science and Engineering	China	Development of co-matrix for matrix assisted laser desorption/ionization mass spectrometry of low-molecular-weight compounds
September 2014	Science and Engineering	China	Development of zeolite-matrix for laser desorption/ionization mass spectrometry of small molecules
September 2014	Science and Engineering	China	Stable isotope and element characteristic analyses of tea (Camelliasinensis L) and application to origin traceability
September 2014	Science and Engineering	China	Study of ionization process and research on application in matrix assisted laser desorption/ionization
September 2014	Urban Environmental	China	A Structural Relationship between Socioeconomic Status and Health among the Elderly: A Comparative Study between Japan and China
September 2014	Urban Environmental	Laos	The Development of a Simple Method for Network-wide Road Surface Roughness Condition Estimation and Monitoring Using Smartphone Sensors
September 2014	Urban Environmental	India	Photochemistry in Layered Micro-environment
September 2014	Urban Environmental	India	Artificial Photosynthesis catalyzed by Aluminum Porphyrins
March 2015	System Design	Indonesia	Homogenization and Localization for Composite Structures with Relieved Periodicity in the Thickness Direction
September 2015	Humanities	China(Hong Kong)	Essays on Financial Markets: Pricing, Decision Making and Empirical Analysis
September 2015	Urban Environmental	Vietnam	Seasonal transition of precipitation over the eastern Indochina Peninsula: Climatology and interannual variability
September 2015	Urban Environmental	China	Preparation of N-Isopropylacrylamide Based Thermally Responsive Block Copolymers for Chemical Switching Device
September 2015	System Design	Malaysia	Enhancing Vehicle Stability and Rollover Prevention through Model Predictive Control
September 2015	Human Health Science	Nepal	Development and Evaluation of a Newborn Care Education Program in Primiparous Mothers in Nepal
September 2015	Human Health Science	Indonesia	Development of a Resilience in Daily Activities Scale (RDAS) of Mothers of Children with Autistic Spectrum Disorder
September 2015	System Design	China	Deposition of Boron Nitride Films by Hot Filament CVD and Evaluation of its Tribological Properties

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September 2015	System Design	China	Investigation on Material Deformation Behavior of Thin Pure Titanium Foils in Microforming Assisted by Resistance Heating
September 2015	System Design	Malaysia	Development of New Diagnostic Tools for Effective Public Health Action in the Prevention and Control of Infectious Diseases in Southeast Asia
September 2015	Urban Environmental	China	Development of Quantitative On-line Concentration Technique for Capillary Electrophoresis by Inkjet
September 2015	Urban Environmental	Vietnam	Evaluation of the corrosion state of gusset-plate connections on steel truss bridge and corrosion inspection recommendations
September 2015	Urban Environmental	Taiwan	Study on particle breakage of sands subjected to various confining stress and shear strain levels
September 2015	Urban Environmental	India	Artificial Photosynthesis Catalyzed by Silicon Porphyrins through Two-Electron Activation of Water
September 2015	Urban Environmental	India	Study on Reaction Mechanism of Photooxygenation by Metalloporphyrins
September 2015	Science and Engineering	China	Design and Synthesis of (Imido)vanadium(V)-Alkylidene Complex Catalysts for Olefin Metathesis Reactions
September 2015	Science and Engineering	Bangladesh	Studies on Molecular Wires Based on Metalloporphyrins and Related Oligoporphyrins
September 2015	Science and Engineering	Vietnam	Synthetic Studies on Pyrene-Based $\pi$ -Expanded Ligands and Their Transition Metal Complexes
September 2015	Science and Engineering	Thailand	Precise Synthesis of New Polyolefins by Incorporation of Sterically Encumbered Olefins in Ethylene Copolymerization
September 2015	Science and Engineering	Thailand	Synthesis of Hetero-Multinuclear Metal Complex Catalysts for Olefin Polymerization
September 2015	Urban Environmental	Malaysia	Estimation of Plant Flowering Phenology in Urban Ecosystems using Remote Sensing Techniques
September 2015	Urban Environmental	Malaysia	Downscaling the satellite precipitation data in humid tropical region
March 2016	System Design	Indonesia	Experimental and Numerical Study on Mode II Delamination Behavior of Stitched CFRP Laminate
September 2016	Humanities	Indonesia	Bridging People, Seizing the Future: Indonesian Migrant Entrepreneurs in Taiwan and Return Migrant Entrepreneurship in Malang, East Java
September 2016	Humanities	China	Real Option Problems for Investment Strategies under Asymmetric Information
September 2016	Urban Environmental	China	Development of micro chemical pen and its applications

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September 2016	System Design	Thailand	Research on Rain Attenuation Mitigation Technologies for High Throughput Satellite Communication
September 2016	Human Health Science	Taiwan	Absorbed dose to water dosimetry for heavy charged particle beams using solid-state luminescence dosimeters
September 2016	System Design	Malaysia	Trajectory Optimization of Civil Aircraft for Hazardous Condition Using Aerodynamics and Flight Dynamics Simulation
September 2016	Urban Environmental	China	Study on Properties Improvement of Concrete Considering the Combination of Component Raw Materials
September 2016	Urban Environmental	China	Study on Tensile Behavior and Failure Mechanism of CFRP Grid-Sprayed Mortar in Strengthened Concrete Structures
September 2016	Urban Environmental	India	Artificial Photosynthesis sensitized by Tin Porphyrins
September 2016	Urban Environmental	India	Photoinduced morphological change in Azobenzene/Niobate hybrid
September 2016	Science and Engineering	Thailand	Synthesis of Trinuclear Ruthenium Catalysts for Photocatalytic Oxygenation of Organic Substrates in Water Media
September 2016	Science and Engineering	Thailand	Synthesis of (Imido)Niobium-Alkyl, Alkylidene Complexes and Some Reactions
September 2016	Science and Engineering	Bangladesh	Synthetic and Photophysical Studies on Axially Chiral Ligands Based on $\pi$ -Expanded Aromatic Hydrocarbons and Their Metal Complexes.
September 2016	Science and Engineering	India	Electronic Structures and Spectroscopic Properties of Metal Complexes
September 2016	Science and Engineering	China	Synthesis of New Cyclic Olefin Copolymers Using Half-Titanocene Catalysts
September 2016	Science and Engineering	Bangladesh	Structurally Well-defined Polycyclic Aromatic Hydrocarbons Constructed from Pyrene as a Building Block
September 2016	Urban Environmental	Indonesia	Impact of silvicultural system on genetic diversity of <i>Shorea parvifolia</i> in the tropical secondary forest, central Kalimantan, Indonesia
September 2016	Urban Environmental	Malaysia	Mechanism of human-hornet conflicts in an urban ecosystem
September 2016	Urban Environmental	South Korea	A Study on the Construction of Green Network and its Sustainability by Communities of Urban Agriculture –A Case of Mullae Rooftop Garden, Mullae-dong, Seoul–
September 2016	Urban Environmental	Malaysia	Understanding the influence of Driving Satisfaction on Tourism Activities and Overall Satisfaction: The Case of Desaru, Johor Malaysia
September 2016	Urban Environmental	South Korea	STUDY ON SEISMIC PERFORMANCE EVALUATION IN CRUCIFORM UNBONDED PRECAST PRESTRESSED CONCRETE FRAME

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September 2016	Urban Environmental	South Korea	Facility planning for small long-term care facilities to provide multifunctional services
September 2016	System Design	Indonesia	Experimental Study on Vortex Shedding and Sound Generation in Flow past Two Side-by-Side Rectangular Cylinders